



CSA INTERNATIONAL

Standards
Development

QMI
Management Systems Registration

Certification
and Testing

June 13, 2001

Mr. William Burks
American Power Conversion Corp.
85 Rangeway Road, Bldg. #2
North Billerica, MA 01862
U.S.A.

Master Contract: 157869
(LR 63938)

**Subject: Category Certification of Models SYPF12KT, SY4K12RMT, SY8K12RMT,
SY12K12RMT and SYRMXR4**

Dear Mr. Burks:

We have received your fax regarding the subject units dated June 4, 2001.

Enclosed, please find the CSA Certification Record Class 5311 05 recognizing the above subject Models under the CSA International Category Certification Program.

Yours truly,

John Stedman
Certification and Testing Division
Power Supplies and Process Control Group
Tel: (416) 747-4074
Fax: (416) 747-4149
E-Mail: john.stedman@csa-international.org

JS/ab

Encl: Cert Record File No. 63938C Class 5311 05

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178 Rexdale Boulevard, Toronto, ON, Canada M9W 1R3
Telephone: 416.747.4000 Fax: 416.747.4149 www.csa-international.org

CERTIFICATION RECORD

The company named below has been authorized by CSA to represent the products listed in this record as "CSA Certified" and to affix the CSA Mark to these products according to the terms and conditions of the CSA Service Agreement and applicable CSA program requirements (including additional Markings).

File No: 063938 C 000

Class No: 5311 05 POWER SUPPLIES Stand-alone

SUBMITTOR

4509998 American Power Conversion Corp.
85 Rangeway Rd Bldg 2
North Billerica, MA 01862
USA

FACTORIES

4509997 American Power Conversion Corp.
P.O. Box 278, 132 Fairgrounds Rd
West Kingston, RI 02892
USA

4551478 ACT Manufacturing Inc.
1801 Fulton Dr
Corinth, MS 38834
USA

4552195 American Power Conversion Corp.
40 Catamore Blvd
East Providence, RI 02914
USA

4552196 American Power Conversion Corp.
Cavite Facility
2nd ST. Cavite EPZA
Rosario Cavite,
Philippines

4552197 American Power Conversion Corp.
Laguna Facility
Lot 32 Phase 1 Carmelray
Industrial Park Canlubang Calamba
Laguna,
Philippines

4552199 American Power Conversion Corp.
Main Ave EPZA
Rosario Cavite,
Philippines

4639244	Electronic Assemblies Inc. 103 Trade Avenue Corner Technology Avenue Technopark Phaze 4 Binan, Laguna, Philippines
4641707	American Power Conversion Lot 3 Block 14, Phase III Cavite Export Processing Zone Rosario Cavite, Philippines
4651102	St Microelectronics Srl Km17 - Boite Postale 71 Bouekoura, 20180 Morocco
4656698	APC India No. 187/3 & 188/3 Jigani Village Jigani Hobli Anekal Taluk Bangalore District, 562106 India

June 13, 2001(Replaces: June 6, 2001)

UNINTERRUPTIBLE POWER SUPPLIES, CORD CONNECTED, FOR USE IN CONTROLLED ENVIRONMENTS:

- Models 110SE, D-110, input 120V, 60Hz, 180VA; output 120V, 60Hz, 90W max.
- Models 200DL, PR200, D-200, UP902, input 120V, 60Hz, 3A; output 120V, 60Hz, 1.7A, 140W max.
- Model 330XT+, 932-4, 8850, 61301, SPS300, SPS330A, EE330, input 120V, 60Hz, 360VA, output 120V, 60Hz, 2.5A max.
- Models 360SX, UP903, PR360, 61306, EE360, D-360, input 120V, 60Hz, 600VA; output 120V, 60Hz, 3A max.
- Models 450AT+, UP945, 942-4, 8851, 61302, SPS450, 450VA, SPS450A, EE450, PR450, D-450, input 120V, 60Hz, 600VA; output 120V, 60Hz, 3.8A max; 800RT, PR800, 982-4, 8852, 61304, SPS800, 800VA, AE800, EE800, 908-15, 908-16 and D-800, -800RM, PR800RM, input 120V, 60Hz, 12A; output 120V, 60Hz, 600W max.
- Models 520ES, UP905, PR520, EE520, 520VA, 61303, D-520, input 120 V, 60 Hz, 600 VA; output 120 V, 60 Hz, 4.5 A max.
- Models 1200VX, PR1200, 913-4, 8853, 61305, SPS1200, 1200VA, AE1200, EE1200, 912-15, 912-16 and D-1200 -1200RM, PR1200RM, input 120V, 60Hz, 12A; output 120V, 60Hz, 1000W.
- Models 600LS, PR600, EE600, D600 or UP906, SMART UPS 600, SMART UPS 600RM, CS-600R, input 120V, 60Hz, 7A; output 120V, 60Hz, 5A, 400W max.

- Models 370 ci and SMART UPS 400, SU400NET, PR400, D-400S, UP904, input 120V, 50/60Hz, 4A, output 120V, 50/60Hz, 250W; SMART UPS250, SU250NET, input 120V, 50/60Hz, 3A; 120V, 50/60Hz, 175W output.
- Models SMART UPS 900, 900RM, D-900, D-1250, UP9125, 1250, 1250RM, CS-1250R, UP909, 900XL, 900XLRM, input 120V, 50/60Hz, 10.5A, output 120V, 50/60Hz, 630W for Models 900, D-900, and 900W for Models 1250, D-1250.
- Models SMART UPS 2000, 2000RM, 923-4, UP92000, D-2000, 2000-1, 2000RM-1, 2000-2, 2000RM-2, 2000-3, 2000RM-3, input 120V, 50/60Hz, 16A, output 120V, 50/60Hz, 1500W.
- Models BACK UPS 200 or PowerCell Personal 10, 250, 280, 360, 400, 450, 520, 600, 900 and 1250, input 120V, 50/60Hz and 2A, 3A, 3A, 5A, 5A, 5A, 7A, 7A, 12A, 12A respectively, outputs 120V, 50/60Hz and 130W, 170W, 180W, 240W, 250W, 300W, 360W, 400W, 630W and 900W respectively.
- Model SMART UPS 400I-X38, input 120V, 50/60Hz, 4A, output 120V, 50/60Hz, 250W. Certified as a component for use in Beckman Instruments, Model Synchron CX7.
- Power UPS250, 400 or PowerCell Personal 20T, 600, input 120V, 50/60Hz and 3A, 5A, 7A respectively, outputs 120V, 50/60Hz and 170W, 250W and 400W respectively.
- Models UP902, UP903, UP945, UP905, input 120V, 50/60Hz and 3A, 5A, 5A, 7A respectively; outputs 120V, 50/60Hz and 170W, 250W, 300W, 400W respectively.
- Models 61402, 61403, 61404, input 120V, 50/60Hz and 3A, 5A, 7A respectively; outputs; 120V, 50/60Hz and 170W, 250W, 400W respectively.
- Models PRK250, PRK400, PRK450, PRK600, PRK900, PRK1250, input 120V, 50/60Hz and 3A, 5A, 5A, 7A, 12A, 12A respectively; outputs 120V, 50/60Hz and 170W, 750W, 300W, 400W, 630W, 900W respectively.
- Models SMART UPS 2000M, 2000RM, 2000M-1, 2000MRM-1, 2000M-2, 2000MRM-2, input 208V, 50/60Hz, 12A, output 208V, 50/60Hz, 1500W.

Model	Input	Output
UP702	120V, 50/60Hz, 3A	120V, 50/60Hz, 170W
UP704	120V, 50/60Hz, 3A	120V, 50/60Hz, 250W
UP706	120V, 50/60Hz, 7A	120V, 50/60Hz, 400W
UP709	120V, 50/60Hz, 12A	120V, 50/60Hz, 630W
UP7125	120V, 50/60Hz, 12A	120V, 50/60Hz, 900W

- Model 'Network Power Cell', input rated 120V, 50/60Hz, 7A; output rated 120V, 50/60Hz, 400W.

Model	Input	Output
SMART-UPS 600XL, 600XLRM	120V, 50/60Hz, 10.5A	120V, 50/60Hz, 400W
SMART-UPS 2000, 2000RM, -X55	120V, 50/60Hz, 20A/16A/12A	120V, 50/60Hz, 1500W, 2000VA 1500W, 1500VA; 1000W, 100VA
SMART-UPS 2000XL	120V, 50/60Hz, 20A/16A/12A	120V, 50/60Hz, 1500W, 2000VA 1500W, 1500VA; 1000W, 1000VA
SMART-UPS 2000XL-1,-2,-4	120V, 50/60Hz, 16A	120V, 50/60Hz, 1500W, 1500VA
Personal PowerCell	120V, 50/60Hz, 3A	120V, 50/60Hz, 170W
Professional PowerCell	120V, 50/60Hz, 3A	120V, 50/60Hz, 250W

BF250	120V, 60Hz, 12A	UPS outlets: 120V, 2A, 150W Surge outlets: 120V, 12A Total output: 12A
BF250J	100V, 60Hz, 12A	UPS outlets: 100V ac, 60Hz, 150W, 250 VA Surge outlets: 100V ac, 60Hz, 12A Total output: 12A
EasyOPTIONS 600	120V, 50/60Hz, 3A	120V, 50/60Hz, 170W
EasyOPTIONS 601	120V, 50/60Hz, 5A	120V, 50/60Hz, 250W
EasyOPTIONS 602	120V, 50/60Hz, 7A	120V, 50/60Hz, 400W
Smart-Ups 2000XL-X77	120V, 50/60Hz, 12A	120V, 50/60Hz, 1200W, 1200VA
Matrix 5000	208/240V, 60Hz, 24A	120/208V, 60Hz, 3.75kW, 5kVA for 240V, 4.7kVA for 208V
Matrix 5000W	208/240V, 50/60Hz, 20A	120/208V, 50/60Hz, 3.75kW, 5kVA for 240V, 4.7kVA for 208V
Matrix 3000	208/240V, 60Hz, 20A	120/208V, 60Hz, 2.25kW, 3kVA
Matrix 3000W	208/240V, 50/60Hz, 20A	120/208V, 50/60Hz, 2.25kW, 3kVA
Smart-Ups 1000, 1000RM, 1000XL and 1000XLRM, SU1000RMBX120, SU1000RMXLBX120, SU1000NET, SU1000RMNET, SU1000XLNET, SU1000RM2U, SUA1000	120V, 50/60Hz, 12A	120, 50/60Hz, 670W
Smart-Ups 1400, 1400RM, SU1400RMBX120, SU1400NET SU1400RMNET SU1400RM2U.	120V, 50/60Hz, 12A	120V, 50/60Hz, 950W
Smart-Ups 700RM, SU700RMBX120, 700XL and 700XLRM, SU700XLNET, SU700NET, SU700RMXLBX120, SU700RM2U.	120V, 50/60Hz, 12A	120V, 50/60Hz, 450W
Smart-Ups-Ups 400,	120V, 50/60Hz, 7A	120V, 50/60Hz, 280W, 3.75A
Smart-Ups 700	120V, 50/60Hz, 7A	120V, 50/60Hz, 450W, 5.8A
BP280S, BP280SC, BP280SUS	120V, 60Hz, 7A	120V, 60Hz, 180W

BP420S, BP420SC, BP420SUS SU v/s 420S	120V, 60Hz, 7A	120V, 60Hz, 260W
BP650S, BP650SC, BP650SUS SU v/s 650S	120V, 60Hz, 7A	120V, 60Hz, or 410W
SmartUPS 2200, 2200XL,3000, 2200RM, SU2200NET, SU2200RMNET, SU2200XLNET	120V, 50/60Hz	120V, 50/60Hz
SU2200R3BX120 and 3000RM SU3000R3BX120 SU3000NET, SU3000RMNET	21/24/28A max	2200/2200/3000VA max 1600/1600/2250W max
BackUPS PRO 1000 and SmartUPS v/s 1000	120V, 60Hz, 12A	120V, 50-60Hz, 670W
BP1100	120V, 60Hz, 12A	120V, 60Hz, 670W, 1100VA
BackUPS PRO 1400 and SmartUPS v/s 1400	120V, 60Hz, 12A	120V, 50-60Hz, 950W
Smart-UPS700I-X38	240V, 50/60Hz, 4A	240V, 50/60Hz, 3.2A, 450W
Smart-UPS450I-X38	240V, 50/60Hz, 4A	240V, 50/60Hz, 2.0A, 280W
Smart-UPS1400XLT and Smart-UPS 1400RMXLT, SU1400RMXL3U, SU1400RMXL3UX171	208V, 50/60Hz, 10A	208V, 50/60Hz, 950W, 1400VA
Smart-UPS 2200XLT and Smart-UPS 2200RMXLT	208V, 50/60Hz, 12A	208V, 50/60Hz, 1600W, 2200VA
Smart-UPS 3000T and Smart-UPS 3000TX109	208V, 50/60Hz, 14A	208V, 50/60Hz, 2250W, 3000VA
SU1400RMXLNET	120V, 60Hz, 10A	120V, 60Hz, 950W, 1400VA, 11.6A
SU1400RMXLNET	208V, 60Hz, 10A	120V, 60Hz, 400W, 400VA, 3.3A 208V, 60Hz, 950W, 1400VA, 6.7A
SU1400XLTNET	208V, 60Hz, 10A	208V, 60Hz, 950W, 1400VA, 6.7A 120V, 60Hz, 400W, 400VA, 3.3A
SU2200XLTNET	208V, 60Hz, 14A	208V, 60Hz, 1600W, 2200VA, 10.5A 120V, 60Hz, 400W, 400VA, 3.3A
SU2200RMXLNET	208V, 60Hz, 14A	208V, 60Hz, 1600W, 2200VA, 10.5A 120V, 60Hz, 400W, 400VA, 3.3A
SU3000TNET	208V, 60Hz, 16A	208V, 60Hz, 2250W, 3000VA, 14.4A 120V, 60Hz, 400W, 400VA, 3.3A
SU3000TX109	208V, 60Hz, 16A	208V, 60Hz, 2250W, 2200VA, 10.5A

SU2200RM3U	120V, 60Hz, 21A	120V, 60Hz, 1600W,2200VA, 18.3A
SU3000RM3U	120V, 60Hz, 28A	120V, 60Hz, 2250W,3000VA, 25A
SU3000RMT3U	208V, 60Hz, 28A	208V, 60Hz, 2250W,3000VA, 14.4A 120V, 60Hz, 400W, 400VA, 3.3A
NS2200RM3U or APC2RA	120V, 60Hz, 21A	120V, 60Hz, 1600W,2200VA, 18.3A
NS3000RM3U or APC3RA	120V, 60Hz, 28A	120V, 60Hz, 2250W,3000VA, 25A
NS3000RMT3U or APC3TA	208V, 60Hz, 28A	208V, 60Hz, 2250W,3000VA, 14.4A 120V, 60Hz, 400W, 400VA, 3.3A
SYMINIF, SYMINIF-PD	208/240V, 50-60Hz, 1ph 10A	120/208/240V, 50-60Hz, 1ph, 40A, 8kVA, 5.6kW
SYMSTRF, SYMSTRF-PD	208/240V, 50-60Hz, 1ph 80A	120/208/240V, 50-60Hz, 80A, 16kVA, 11.2kW
BK300 with suffix C	120V, 60Hz, 300VA	120V, 60Hz, 300VA
BK500M/MUS with suffix C	120V, 60Hz, 500VA	120V, 60Hz, 500VA
BK650M/MUS with suffix C	120V, 60Hz, 650VA	120V, 60Hz, 650VA
BP280S	120V, 60Hz, 280VA	120V, 60Hz, 280VA
BP420S	120V, 60Hz, 420VA	120V, 60Hz, 420VA
SU420NET	120V, 60Hz, 420VA	120V, 60Hz, 420VA
SU620NET	120V, 60Hz, 620VA	120V, 60Hz, 620VA
SU620INET	230V, 60Hz, 620VA	230V, 60Hz, 390W, 2.8A
BP350U	120V, 50-60Hz, 12A	120V, 50-60Hz, 350VA; 220W(Battery)
BP500U	120V, 50-60Hz, 12A	120V, 50-60Hz, 500VA; 315W(Battery)
BP700X	120V, 60Hz, 12A	120V, 60Hz, 12A; UPS 120VAC, 60Hz, 410W, 700VA

- UPS hot swap-out box, Model AP019, cord connected, input/output, rated 120V, 50/60Hz, 12A. Certified as an accessory for use with the manufacturer's line of Certified UPS's.
- Line isolation transformer assembly, cord connected, Model AP017, input rated 115V ac, 11A; output rated 115V ac, 11A, 1250VA, 50/60Hz max.
- Line regulators Models Line-R600 and Line-R1250, input rated 120V, 50/60Hz, 7/12A, output rated 120V, 50/60Hz, 600/1250VA respectively.
- External battery packs, Models SU24XLBP, 1 x 114, SU48XLBP, 1 x 114 and SU48BP, SU24RMXLBP2U, SU48RMXLBP, rated 24V dc, 48V dc and 48V dc respectively.
- UPS Component Model SYPM rated 200-240V ac, 50-60Hz, 20A input; 200/220/230/240V ac, 50-60Hz, 4kVA, 2.8kW, 20A output. ACCESSORIES FOR USE WITH 'MATRIX' SERIES UPS UNITS:
- Series MXA100 to MXA199, miscellaneous extension cord sets, power distribution units, 240V ac, 30A max, 60Hz, 3 or 4 wire.
- Hard-wire kit accessory, Models MXZ001 and MXA002.
- Battery Cabinets Models SYXR4, SYXR4J-BM and SYXR12 rated 120Vdc, 7.0AH per module; Accessories for use with "MATRIX SERIES" UPS units.

Model	Input	Output
BF400, BF400C	120V, 60Hz, 10A	Surge: 120V, 60Hz, 10A UPS 120V, 60Hz, 3A, 250W, 400VA, 10A total outputs.
BF350	120V, 60Hz, 10A	Surge: 120V, 60Hz, 10A UPS: 120V, 60Hz, 225W, 350VA.
BF500	120V, 60Hz, 10A	Surge: 120V, 60Hz, 10A UPS: 120V, 60Hz, 325W, 500VA.
SU5000, SU5000R5TX168, SU5000RMT5U, SU5000R5TBX120, SU5000R5TBX135, SU5000R5TBX114 and DL5000RMT5U	208V, 60Hz, 24A	208V, 60Hz, 5000VA, 3750W
Power Stack 250	120V, 60Hz, 7A	120V, 60Hz, 165W
Power Stack 450	120V, 60Hz, 7A	120V, 60Hz, 280W
Bay Stack 450	120V, 60Hz, 7A	120V, 60Hz, 280W
CNB700X	120V, 60Hz, 12A	Surge: 120V, 60Hz, 12A 120V, 60Hz, 410W, 700VA
CNB900X	120V, 60Hz, 12A	Surge: 120V, 60Hz, 12A 120V, 60Hz, 500W, 900VA
SUA1500	120V, 50/60Hz, 12A	120V, 50/60Hz, 980W, 1400VA
<ul style="list-style-type: none"> • *Model Smart-UPS 700XLX114, 1400X114, 2200XLX114. • *Model Smart-UPS 700BX120, 1000BX120, 1400BX120, 2200BX120, 2200R3BX120, 3000BX120, 3000R3BX120. • *Model Smart-UPS 1400RMBX135, 3000R3BX135. • *Model Smart-UPS 1400RMX138. • *Model Smart-450NET, 700NET, 700RMNET, 700XLNET, 1000NET, 1000RMNET, 1000XLNET, 1400NET, 1400RMNET, 1400RMXLNET, 1400XLTNET, 1400RMXLNET, 2200NET, 2200RMNET, 2200XLNET, 2200RMXLNET, 2200XLTNET, 2200RMXLNET, 3000NET, 3000RMNET, 3000TNET. • Model Smart-UPS beginning with prefixes; NS, DL, DIG, UNS, DGS, (prefix options NS = Hewlett Packard, DL = Dell Computer, DIG = Digital Corp., UNS = Unisys, DGS = Data General),; DGS1000, DGS1400, DIG1400RM, DIG3000RM3U, DL1400RM, DL2200RM3U, DL3000RM3U, NS2200RM3U, NS3000RM3U, NS3000RMT3U. • *Model Smart-UPS SU027, SU028, SU029, SU027RM, SU028RM, SU029RM, SU029RM3U. • Series Symmetra-RM, Models SYHF6KT, SYH2K6RMT, SYH4K6RMT, SYH6K6RMT, SYPF12KT, SY4K12RMT, SY8K12RMT, SY12K12RMT and SYRMXR4. 		

INVERTER FOR USE IN VEHICLES

- Model PNote AC75 rated 13.5V dc, PA input; 120V ac, 60Hz, 75W output.